

CLAIMS

What is claimed is:

1. A wall-mounted type microwave oven secured to an installation base and, comprising:
 - an outer cabinet defining an outer appearance of the wall-mounted type microwave oven;
 - an inner cabinet disposed in the outer cabinet with a predetermined spacing therebetween, and including a cooking chamber to cook foods therein and an electric component compartment to receive electric components, the cooking chamber and the electric component compartment being isolated from each other;
 - a hanger member extending from the inner cabinet to allow the inner cabinet to be secured to the installation base; and
 - a fastening device to secure the hanger member to the installation base.
2. The wall-mounted type microwave oven as set forth in claim 1, wherein the fastening device comprises:
 - a nut; and
 - a bolt passing through the installation base, the outer cabinet and the hanger member, in sequence and the nut engaging with the bolt.
3. The wall-mounted type microwave oven as set forth in claim 2, wherein the hanger member comprises:
 - a seat piece on which the nut is seated; and
 - a resilient hook piece to allow the nut to be seated on the seat piece and to prevent the nut from separating from the seat piece.
4. The wall-mounted type microwave oven as set forth in claim 3, wherein the seat piece extends downwardly from a lower surface of the hanger member and is laterally bent to have an "L"-shaped section, as a bent portion, such that the nut is seatable on the bent portion,

and wherein the resilient hook piece is positioned at an opening side of the seat piece to prevent the nut from separating from the seat piece.

5. The wall-mounted type microwave oven as set forth in claim 4, wherein the nut has a square shape, which is in contact with the seat piece and the resilient hook piece at sides thereof, so as to prevent the nut from rotating when the bolt engages therewith.

6. The wall-mounted type microwave oven as set forth in claim 1, further comprising:

a partition plate,

wherein the hanger member extends from the partition plate, which is attached to an upper and front portion of the inner cabinet defining the electric component compartment to define a flow path to cool the electric component compartment.

7. A wall-mounted type microwave oven mounted to an installation base, comprising:

an outer cabinet defining an outer appearance of the wall-mounted type microwave oven;

an inner cabinet disposed in the outer cabinet with a predetermined spacing therebetween; and

a hanger unit attaching to the inner and outer cabinets and the installation base to prevent a deformation of the outer cabinet.

8. A wall-mounted type microwave oven mounted to an installation base, comprising:

an outer cabinet defining an outer appearance of the wall-mounted type microwave oven;

an inner cabinet disposed in the outer cabinet with a predetermined spacing therebetween; and

a hanger unit attaching directly to the inner cabinet and the installation base to prevent a deformation of the outer cabinet.

9. The wall-mounted type microwave oven as set forth in claim 8, wherein the hanger unit comprises:

a hanger member extending from the inner cabinet to allow the inner cabinet to be secured to the installation base; and

a fastening device to secure the hanger member to the installation base.

10. The wall-mounted type microwave oven as set forth in claim 9, wherein the fastening device comprises:

a nut; and

a bolt passing through the installation base, the outer cabinet and the hanger member, in sequence and the nut engaging with the bolt.

11. The wall-mounted type microwave oven as set forth in claim 10, wherein the hanger member comprises:

a seat piece on which the nut is seated; and

a hook piece to position the nut on the seat piece and to prevent the nut from separating from the seat piece.

12. The wall-mounted type microwave oven as set forth in claim 11, wherein the seat piece extends from a lower surface of the hanger member to seat the nut thereon, and the hook piece is positioned adjacent to the nut when the nut is seated on the seat piece and the nut has at least one flat side communicating with the hook piece to prevent the nut from rotating when the nut is seated on the seat piece.

13. The wall-mounted type microwave oven as set forth in claim 12, wherein the nut has a non-circular shape, which is in contact with the seat piece and the hook piece at sides thereof, so as to prevent the nut from rotating when the bolt engages therewith.

14. The wall-mounted type microwave oven as set forth in claim 9, wherein the hanger unit further comprises:

a partition plate,
wherein the hanger member extends from the partition plate, which is attached to an upper and front portion of the inner cabinet.

15. The wall-mounted type microwave oven as set forth in claim 9, wherein the hanger member laterally extends parallel to the installation base.

16. The wall-mounted type microwave oven as set forth in claim 9, wherein:
the inner cabinet comprises:
an electric component compartment; and
the hanger member secures the inner cabinet to the installation base together with the outer cabinet and guides air introduced into the outer cabinet toward the electric component compartment.

17. The wall-mounted type microwave oven as set forth in claim 11 wherein the seat piece is an "L"-shaped section.

18. The wall-mounted type microwave oven as set forth in claim 11 wherein the seat piece is formed at about a midpoint thereof with a cut portion so as to allow the bolt to pass through the seat piece.

19. The wall-mounted type microwave oven as set forth in claim 9, wherein the hanger member is integrally formed with and extends from the inner cabinet.

20. The wall-mounted type microwave oven as set forth in claim 19, wherein the hanger member extends upwardly from an upper surface of the inner cabinet.

21. A wall-mounted type microwave oven mounted to an installation base,
comprising:
an outer cabinet defining an outer appearance of the wall-mounted type microwave oven;

an inner cabinet disposed in the outer cabinet; and
a hanger unit attaching between the installation base and the inner cabinet such that a weight of the wall-mounted type microwave oven is evenly distributed to the inner and outer cabinets.

22. A wall-mounted type microwave oven mounted to an installation base, comprising:

an outer cabinet defining an outer appearance of the wall-mounted type microwave oven;

an inner cabinet disposed in the outer cabinet with a predetermined spacing therebetween;

an electric component compartment including electric components therein to supply microwaves thereby;

a partition plate disposed between the inner and outer cabinets and defining a flow path to cool the electric components in the electric component compartment;

a fastener; and

a hanger member extending from and fastened to the partition plate by the fastener and attached to the installation base.

23. A wall-mounted type microwave oven mounted to an installation base, comprising:

outer enclosure means for defining an outer appearance of the wall-mounted type microwave oven;

inner enclosure means disposed in the outer enclosure means with a predetermined spacing therebetween for cooking food therein; and

hanger means for attaching directly to the inner enclosure means and the installation base to prevent a deformation of the outer enclosure means.